In the title:

Kindly amend the title as follows:

A method of creating a high performance virtual multiprocessor by adding a new dimension to a processor's pipeline. METHOD AND APPARATUS FOR CONVERTING A PROCESSOR INTO A COMPATIBLE VIRTUAL MULTITHREADED PROCESSOR (VMP)

NO. 276 P. 3

CENTRAL FAX CENTER DEC 2 7 2004

In the Specfication:

At page 6, 3^{rd} paragraph, bridging on to page 7, 1^{st} paragraph, kindly amend as follows:

now made to Fig. 5, which is a Reference is simplified flowchart illustration of a method of converting a computer processor into a virtual (VMP), operative processor multithreaded accordance with a preferred embodiment of the present invention. In the method of Fig. 5 a single-threaded processor with a k-phased pipeline is converted into an n-threaded VMP with n*k-phased pipeline, where n is a whole number greater than one and k is a whole number greater than zero. The VMP is compatible with the original processor, being able to run the same binary code as the original processor without modification. The VMP operates at a clock frequency that is up to n times higher than the original clock frequency, due to the n-fold deeper pipeline. Up to n interleaved threads, where each thread is an independent program, are run simultaneously. compensates for pipeline penalties, such as stalling and idling, that are usually introduced when adding phases to a conventional pipeline.